

Eng. Soc. and Athletic Assoc. Nominations Feb. 11, 12, 14

The present Executive of the Engineering Society is worried. The nomination date for positions on the Engineering Society and Athletic Association is here and they know of very few people who are willing to run for office.

There are no students who have any more experience in these positions than you. Every year an entirely new executive is elected, and it has complete control over the School Stores, Debates, Toike Oike, School Night, School Dinner, Cannon Capers, School At-Home, Grad Ball, Freshman Reception, S.A.C. Reps. and Professional Relations. Obviously they are your representatives and they govern all your extra-curricular activities.

Everyone cannot be elected to the positions shown elsewhere on this page but perhaps you can. You do not have to belong to any clique, or be well known, you must only get nominated and then conduct an intelligent election campaign.

Above all remember that your education will not be complete unless you do more than just attend university. Extra-curricular activities are a prime essential when it comes to getting a job, making friends, and obtaining useful experience for your future career.

Think about the positions open to you and remember that \$50,000. odd dollars are to be spent next year. It is your money, so have a say as to how it is used.

If you do not like things as they are now run the only way to change them is to see that you or your friends are elected.

TOIKE OIKE

TOIKE OIKE, TOIKE OIKE, OLLUM TE CHOLLUM TE CHAY
SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY

Vol. XLVIII

Friday, February 4, 1955

No. 7

Executive Positions

DURING YEAR OF OFFICE

Office	From	Those Who Vote
President	IV year	All years
1st Vice-President	IV year	All years
2nd Vice-President	III year	All years
Treasurer	III year	All years
Secretary	II year	All years
III SAC. Rep.	III year	All years
IV SAC. Rep.	IV year	All years
Exter. Affairs Rep.	III or IV	All years
Director of Professional Relations	III or IV	All years

CLUB CHAIRMEN

Civil Club	IV year	All yrs. of Civils
Mining and Met. Club	IV year	All yrs. of Mining, Mining Geology, and Metallurgy
Mechanical Club	IV year	All yrs. of Mechanics
Eng. Phys. Club	IV year	All yrs. of Eng. Phys.
Ind. Chem. Club	IV year	All yrs. of Chemicals
Electrical Club	IV year	All yrs. of Electrical
Aeronautical Club	IV year	All yrs. of Aeronauticals
Eng. Bus. Club	IV year	All yrs. of Eng. Bus.
Debates Club	IV year	All yrs.—all courses

YEAR EXECUTIVE

President 5T6	IV year	Class of 5T6
Vice-President 5T6	IV year	Class of 5T6
Secty.-Treas. 5T6	IV year	Class of 5T6
President 5T7	III year	Class of 5T7
President 5T8	II year	Class of 5T8

President 5T9 to be elected in the fall.

ATHLETIC ASSOCIATION

President	IV year	All yrs.
Vice-President	II year	All yrs.
Treasurer	III year	All yrs.
5T6 Rep.	Class of 5T6	Class of 5T6
5T7 Rep.	Class of 5T7	Class of 5T7
5T8 Rep.	Class of 5T8	Class of 5T8

Athletic Rep. 5T9 to be elected in the fall.

Duties of Elected Engineering Society Officers

President (4th year only)

—organize, coordinate, advise and keep an eye on all the activities of the Engineering Society.

—call regular meetings and chair these meetings.

—handle routine mail of general nature.

—report to the Faculty as required.

First Vice-President (4th year only)

—organize all social activities, and be Chairman of School Nite, School Dinner, and School At-Home Committees.

—call meetings of social committees as required.

—report to regular Eng. Soc. Meetings.

—take over the affairs of the Eng. Soc. when the President is unable.

Second Vice-President (3rd year only)

—Operation of the supply store

—Contacting suppliers, ordering all supplies, figuring prices, displaying merchandise, and re-ordering (all with the assistance of the full-time staff).

—report to regular executive meetings.

Treasurer (3rd year only)

—co-signer of all cheques (with the President).

—formulation of budget, keeping

an eye on bank balances, accounts payable and receivable.

—checking such things as bank deposits, insurance, etc.

—recommendations and reports to regular executive meetings.

Secretary (2nd year only)

—taking of minutes and preparation of final minutes for typing by full-time staff.

—reading of minutes to regular executive meeting, for approval.

IV Year S.A.C. Rep.

—represent School at every meeting of the S.A.C. and to report back to regular meetings of the Engineering Society.

—be on an S.A.C. Committee either as Chairman or member.

—for full S.A.C. Duties, check with S.A.C. Office.

III Year S.A.C. Reps.

—same duties as outlined above for IV Year Rep.

External Affairs Representative.

—head of a committee of his own choice to handle all matters external to Eng. Soc. such as External Affairs Commission of S.A.C., Share Campaign, Blood Donor Drive.

—report to regular Eng. Soc. Meetings.

Director of Professional Relations (4th year only)

—Eng. Soc. liaison man with Engineering Institute of Canada and the Association of Professional Engineers of Ontario. Advice to them on their student membership campaigns and campus programme (from student point of view).

—responsible for obtaining good professional speakers for regular General Meetings of the Engineering Society.

—does General Engineering Society work.

Club Chairman (4th year only)

—keeping an eye on finances, speakers, dances, field trips etc. of the club, and holding regular executive meetings.

—reporting to regular meetings of Eng. Soc. Executive and taking part in special Eng. Soc. Committees.

Year Presidents

—organize any activities as sought by the year as a whole.

—represent interests of year at regular Eng. Soc. meetings.

—take part in various Eng. Soc. Special Committees.

4th Year President

—organization of Grad. Ball and Chairman of Grad. Ball Committee.

—also duties in regard to Alumni relations and Iron Ring Ceremonies.

TOIKE OIKE

Devoted to the interests of the undergraduates of the Faculty of Applied Science
Published every now and then by the Engineering Society of the University of Toronto

Opinions expressed are not necessarily those of the Engineering Society or its officers.

Editor	Dick Thomson
Assistant Editor	John Becker
Business Manager	Ken Vacing
Photos	Fraser McIntosh
Sports	Doug Ward, Dave Shields
Art	Bill Vance
Features	Herb Cunningham, Fred Haywood, Pete McDermick, Tom Thomson, Mike Maughan, Richard Taylor

EDITORIAL

Although four years or perhaps five may seem very long when entering University, the interval when looking back seems short indeed. The initial test of first year exams soon leads to the Kipling Ritual, the Grad Ball, and Graduation, the finale of our seventeen or eighteen years of formal education. In the decades to come these will be the functions that will supply the memories of dear old "School". However 30 per cent of STS will miss at least one of these functions, the social event of 4 years all rolled into a Grad Ball.

Al Harrison and his committee have estimated that only 70 per cent of the fourth year students will be in attendance at the Royal York Hotel on February 25th.

We think everyone should be there.

A \$15.00 ticket is not too expensive as is shown in the Exhibit below, which indicates exactly where the money goes. Many rumours concerning the dance's high fringe costs are always circulated at this time of the year but they are usually greatly exaggerated. Everything comes with the ticket except tails, a corsage, transportation and a girl.

The lack of money is an excuse which is often used to satisfy an inquisitive friend, because this is really the only excuse which can be justified.

Ticket sales opened on January 24th, and after five days 81% of Civil and 97% of Mining Geology and Metallurgy had purchased their tickets. However, in some courses the tickets are not moving so fast.

Remember you have only one life, one University career, and one Grad Ball, so whether it is in 1955 or 1958 be sure and be there and enjoy yourself.

EXHIBIT

Dinner per couple	\$6.50
Favour for ladies	1.35
Favour for gentlemen	1.20
Boutonniere	0.75
Entertainment (2 bands etc.)	2.50
Guests	1.00
Miscellaneous	1.70
Total ticket price	\$15.00

A FEW CHANGES

It is undisputed that the worth even in his own course of this Faculty is determined by the individuals it produces. Because of this criterion, the only thing of importance is what the individual experiences while here. Unfortunately the classroom provides an extremely narrow experience, particularly in this faculty where the subject matter is so specialized. Therefore, conditions should be such that a person is drawn easily and comfortably into activities outside the classroom which will increase his capabilities both as a citizen and a person. This is the sole importance of such activities and school spirit, as such, is fruitless and participation for its sake alone is pointless.

How does the Engineering Society help to do this?

As the Society is now constructed, the accent is placed on the strong, faculty-wide, hierarchical Executive with the Clubs straggling along behind with little financial power and less prestige. Since the Clubs are the only vertical organization in the undergraduate body, the faculty tends to be stratified horizontally, i.e. the years feel more kinship than the courses. This feeling is accentuated by the election of Year Presidents to the executive.

This year-feeling rather than course-feeling produces two undesirable results. It is exceptionally difficult to reach an individual and induce him to participate when he is a member of such a large group. He feels insignificant and unaffected and the controlling body seems extremely remote. Also, this system preserves his immaturity by never introducing him to seniors or juniors

on the Executive from their own members would greatly increase their significance. The budget would be passed by the assembled Clubs executives thereby giving them more financial resources.

It is extremely unlikely that any such constitutional changes would be passed by the present Engineering Society. It would be up to the incoming Executive and the Faculty Council. The Faculty Council should be vitally interested in this type of revision since it concerns a vital part of the undergraduate's education. This is not to say that they would press for such revision in any autocratic way but they should certainly consider the idea and keep it alive if they are convinced of its worth. They could present the idea to the Executive and discuss the problem with them, helping them to come to a decision and guiding them to concrete action. It is most necessary that the faculty perform this function of providing the long-range view since students often think of tradition in terms of four year use of a system.

We are the largest faculty on the campus and this means that we have problems of size which confront no other faculty. We are also growing. If the student is to get any more out of school than class work then the positions where he may express himself in action should not be so far away or so singular that he is thwarted. Pyramid organizations breed arrogance and secretiveness. Plateau organizations breed cooperation and interest. The benefits derived by the bulk of the students is inversely proportional to their vertical height.—J.B.

REED 'N RITE

Trinity

To the Editor:

I agree wholeheartedly with the discontinued sale of striped caps and banning of mass tours. This is a wise and sane decision.

However, what is the purpose behind stopping the sale of Engineering jackets? This action could have serious effects on the spirit and pride of the Faculty of Engineering.

As the largest single faculty, the spirit of the engineers is

(Continued on page 4)

Peeves

To the Editor:

Buildings such as the Mechanical and Walberg buildings may be modern in architecture and facilities, but in their ventilation they are of 17th century style. It is claimed that these buildings are air-conditioned, but one would never know it. During lectures, the temperatures in the rooms are frequently almost unbearable. It seems to me that the air-conditioning could be con-

trolled to a much greater degree than it is.

In previous years the spirit with which the engineering society elections have been received has been pathetic. In fact to call the votes those of a cross-section of engineering would be absolutely false. The engineering society is elected to represent and work for the engineers as a whole (supposedly, anyway), so why not work up a little school spirit and get out and vote for the best candidates.

TOM MITCHELL, III Elect.

Blissfully Obvious

Editor,

Toike Oike.

Dear Sir:

It is increasingly obvious that some of the students in this school are blissfully oblivious of the fact that they are expected to behave as adults while attending university. One has only to attend almost any lecture to see an exhibition of bad manners that would shock even a hardened kindergarten teacher. The majority of students are well-behaved; the following remarks are directed to a small minority who persist in displaying their lack of training in an annoying way.

One of the most irritating practices is that of eating lunches while the lecture is in progress. It is difficult enough for a lecturer to hold the attention of an often indifferent class without having someone in the front row

noisily crunching celery, or even worse, eating soggy salmon sandwiches. (If the noise doesn't bother you, the smell will). There are various places throughout the school where lunches may be eaten in peace and quiet; surely it is not necessary to save them till a lecture is in progress.

Another disturbing practice is that of arriving about five minutes late for each lecture. Anyone who is late for a lecture occasionally due to circumstances beyond his control, but when a group of three or four students (usually the same students each time) arrive late for a lecture, it is indicative of a rather careless indifference towards the lecture and the interested students. The noise and confusion caused by these students trudging up to the back row of the lecture room are disturbing, not only to the lec-

turer, but to those students who are sincerely interested in deriving some benefit from the class. It is to be noted with satisfaction that occasionally a professor will ask the offenders to leave the class. Habitual lateness is not tolerated in business or industry — it should not be tolerated in university either.

The sooner that these students learn that the impressions they make are not only bad ones but lasting ones, the sooner they will curb their thoughtless practices. Habits acquired in university will in all probability be continued after the student has graduated and attained the rank of Professional Engineer. Make sure that your present habits and manners are good ones — they will form the basis for a successful career in later life.

Yours truly,
HERB. CUNNINGHAM,
3rd Civil

Abolition of "Skule"

To the Editor:

I stand up in defence of SKULE.

Over the past few months a campaign has been conducted by the executive of the Engineering Society, and others, to elevate the S.P.S. undergraduate in the eyes of the public. I do not question the motives behind this program since I believe its perpetrators to be sincerely trying to benefit the Engineering Profession in general, and our own undergraduates in particular. I do, however, object strenuously to some phases of the campaign.

It is my considered opinion that the attempted abolition of the principle of SKULE is, at best, a serious error. If properly handled Skulism can be one of the most valuable assets to the successful functioning of the Engineering Society. It has been

largely responsible, over the past few years, for promoting the firm unity of our organization, which, I can say without fear of contradiction, is unequalled by any other large campus organization. It is the School spirit (no matter how you spell it) that has brought us the most coveted of athletic awards, one of the finest campus shows and many other laurels to which we can point with pride.

To be a Skuleman is to belong. This is most noticeable among freshmen, who find a compelling common interest in being Skulemen.

The common goal of becoming Professional Engineers is too remote for new students to fully appreciate. "Skulism" on the other hand, is an ideal device for unifying and drawing close together the multitude of S.P.S. undergraduates. It is these Skulemen who, if properly led, will do credit to their Faculty and their University as they mature into Engineers. It was Skulemen who worked on flood relief, and Skulemen to whom an appeal was made for blood.

And as for dressing up for classes — well, hell! Why should

we, anyway? I personally take no great pleasure in trying to impress my classmates with my elegance. I feel much more comfortable in a sweater than in a jacket. Granted, we should maintain a neat appearance for the benefit of the public, but to think that they really give a damn is pure egotism on our part. Most of us can not afford to give good clothes the rough treatment of daily wear anyway. I say every man to his own taste, and let's use our Faculty paper for something besides sermons.

Before I get off this soapbox, I would like to pass on a few of my personal wishes.

I would like to see:

1. A revival of some of the old School spirit, complete with hell-raising, but under reasonable control.
2. Very much less talk of dignity and fashion in the Toike Oike. It would make pretty dull reading even if I agreed with it.
3. A return to the sale of Engineering jackets — and so on, far into the night.

And don't take life so seriously! Please withhold from publication the name of your servant.

(Name on file).

TWO FACED?



SHORT ESSAY CONTEST—\$100 IN PRIZES

DAVID SARNOFF

In his capacity as Chairman of the Board, Radio Corporation of America, the world-famous electrical engineer, David Sarnoff, controls the destiny of one of the world's most progressive electronics industries, and is directly responsible for a number of advancements in the communications field.

Sarnoff was born in Russia in 1891 and came to America in 1900. In order to help family finances he was soon working at a number of part-time jobs such as selling newspapers and running messages. The death of his father threw an even heavier burden on his shoulders and he became an office boy in the Marconi Wireless Telegraph Co.

Shortly afterwards he was assigned a post as wireless operator at the lonely Siascouset Station on Nantucket Island, a place detested by senior operators. However, it had an excellent technical library and Sarnoff availed himself of this opportunity to learn electrical theory. He managed to get himself transferred to the Sea Gate Station in Brooklyn in about a year, and while there took a special course in electrical engineering at the nearby Pratt Institute, where he now holds a position on the Advisory Council.

Subsequent to his training at the Institute, Sarnoff installed and operated wireless on a number of ships on coastal and trans-Atlantic service and was also on a sealing expedition to the Arctic as a wireless operator. When John Wanamaker decided to install the most powerful radio station in the world atop his store in New York, Sarnoff obtained the position as operator and engineer, and it was he alone who received the message in 1912, "S.S. Titanic ran into iceberg, sinking fast". Sarnoff stayed at his post for 72 hours, relaying information and the names of survivors.

Partially as a reward for his part in the Titanic episode, he was made Radio Tube Inspector in the Marconi Company and within the year became Assistant Chief Engineer of that firm. In 1915 he invented and submitted the forerunner of the present-day receiving set; unfortunately, it was considered "impracticable". Sarnoff continued to rise in the Marconi Company until he reached the position of Commercial Manager in 1919, the year Marconi was absorbed by R.C.A.

He continued to rise rapidly through the ranks in R.C.A. and by 1922 was Vice-President and General Manager. With the aid of a dramatic demonstration of the transmission of a prize-fight, Sarnoff was able to get R.C.A. to

invest the now-ludicrous sum of \$2,000 in establishing the manufacture of radio receiving sets.

Undoubtedly, it was an investment that R.C.A. did not regret for within three years their sales of home radios had reached the \$83,000,000 mark. With an eye to improving demand for radios, Sarnoff was instrumental in the founding of the National Broadcasting Corporation of which he is now President.

Sarnoff has performed a number of duties for his country also. In 1929, after being made Executive Vice-President of R.C.A., he went to Europe and served on the War Reparations Committee. After his return he was made President of R.C.A. in 1930. In the last war Sarnoff served under General Eisenhower, improving and perfecting military communication systems. He received citations for his duties, one of which plaudits his patience and diplomacy in dealing with the French Allies.

In spite of these duties he has remained keenly interested in technical progress. He foresees the possibilities inherent in Dr. Vladimir Zworykin's iconoscope and pushed the development of the phenomenon we now know as television. He is known as the "Father of Television". Sometime before the last war he had the N.B.C. station, B2XBS established to experiment with television. And at the New York World's Fair of 1939 at the first public demonstration of television he was seen on a screen and said "We have now added sight to the sound". However, with the advent of war, research in this medium was halted and the vast resources of R.C.A. were thrown into the common effort.

The post-war period accelerated the growth of all fields of communication and R.C.A. under Sarnoff's leadership has kept abreast of current developments. It is expected that the Corporation will share in the colour television field and in the future whatever happens in the electronics field may well have been initiated by his associates.

Certainly Sarnoff has crammed a great deal of activity into one lifetime which is far from ended yet in addition to what has been mentioned he is also known to be engaged in some 40 different civic and cultural activities, including the American Red Cross and the Crusade for Freedom. His cultural interest is evidenced in the fact that he was responsible for the formation of the N.B.C. Symphony Orchestra until lately under the direction of Arturo Toscanini. More is yet to come from David Sarnoff—industrialist-statesman—engineer.

On looking over the arguments for and against a Tuck Shop for S.P.S.'s two things are clear. The first is that we are in need of something along the lines of Vic's Coffee Shop or Trinity's Buttery. The second is that existing space and conditions, whether in Hart House, or in the Engineering Buildings, will not permit the required expansion or development. The Faculty is sympathetic with the problem and is trying to come to a logical solution which will provide some sort of lunching facilities, i.e. a place to buy milk and sit down if no other answer is forthcoming. It seems a shame, however, that 1800 men do not have a place that they can call their own—other than the various libraries and common rooms. It would be a great boon to the undergraduates of this faculty if a portion of some building going up in the university's coming expansion programme could be granted to the Engineering Society for use as a Tuck Shop.

A report by Bill Deeks, Chairman of the School At-Home was given. A suite has been rented for the Society and their guests this year. It is to serve as a meeting place and also a place in which to entertain visiting dignitaries. A bar is to be set up, much to everyone's joy.

An announcement concerning the short story contest sponsored by Toike Oike was made. The idea was supported by the Society and it was made clear by Dick Thomson, Editor, that the prize money of \$100.00 was on hand and would not have to come from the already depleted Society funds.

A motion was passed stating that the "Skulchouse Quartet" would be the official representative of the Engineering Society in the forthcoming Barber Shop Quartet Contest in Hart House.

The meeting adjourned at about 8:15 p.m.

TUCK SHOP

For the past two years there has been a faction within the Engineering student body that has been agitating for a Tuck Shop at this end of the Campus. With more engineers bringing their lunches every day, more space will have to be provided for them. When the Lunch Room was converted to the Arbor Room it was indeed a popular move, but valuable space has been lost where men can gather between twelve and two. As an aid to the solution of the problem the House Committee has allowed the Debates Room to be used as a lunch room. This is not completely satisfactory, however, as conditions before were far from adequate. A suggestion is an Engineers' Coffee Bar somewhere close at hand where milk, coffee, soft drinks and perhaps light foods would be available. The Elm Grill is a possible solution but the management frowns on one eating his sandwiches while occupying a valuable seat.

The Arts Colleges seem to feel their obligations to their students and be able to do something about it. Victoria, with less than half the enrollment of S.P.S. has two tuck shops. Trinity, St. Mike's and U.C. all have their own lunch rooms. Hart House is the Engineer's only refuge—and it seems slightly unfair that we should monopolize the Tuck Shop and Lunch Rooms of the House as we do now.

The reasons given in the past by the Board of Governors for not giving us a Tuck Shop of our own are strong indeed. They do not want to draw business away from Hart House and they do not want to decentralize the University to a greater extent than it is now. A coffee bar in or near the School Building would definitely do this. Engineers eating their lunches in their own Tuck Shop would become hopelessly out of touch with the rest of the Campus and as a result more narrow in their outlooks. This might please some of the more dullest School Men, but the remainder probably realize that any contact they have with other Faculties and Colleges is to their definite advantage. The question of where to put it is a good one. Space is at a premium and many departments would hold priority over a coffee bar. When a lunch room is installed, fire hazard is increased, building maintenance problems are aggravated and a multitude of other repercussions develop.

On looking over the arguments for and against a Tuck Shop for S.P.S.'s two things are clear. The first is that we are in need of something along the lines of Vic's Coffee Shop or Trinity's Buttery. The second is that existing space and conditions, whether in Hart House, or in the Engineering Buildings, will not permit the required expansion or development. The Faculty is sympathetic with the problem and is trying to come to a logical solution which will provide some sort of lunching facilities, i.e. a place to buy milk and sit down if no other answer is forthcoming.

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We feel that an invitation should be extended to the Dean and his Department Heads to attend a "paper bag" luncheon in the basement of Hart House or the Engineering Building. In this way they could see for themselves that conditions are not what they should be and perhaps they would feel the pressing urgency for a Tuck Shop.

CANDIDATES FOR ELECTION

Advertise in

TOIKE OIKE

RATES: 40c per column inch

This year Toike Oike, with the approval of the Engineering Society Executive, is holding a short essay contest open to undergraduate engineers. The object of this contest is not to give away \$100, but rather to give an incentive to those who feel they have no opportunity to express their ideas in writing. The essays are not to exceed 750 words and they must be non-fiction and non-technical. It is hoped that by using these regulations more entries will be obtained and that fourth year students will not have any advantages. The essays will be judged on their subject matter, presentation and English, by 3 members of our faculty, i.e. Professors L. E. Jones, J. M. Ham and P. B. Hughes.

Some typical subjects might be:

The Student Government of this Faculty (or Campus)
Fraternities On This Campus
Universal Military Training
Labour Unrest or Unionism.

It should be emphasized that the above topics are given as an example only, and the author is not obliged in any way to use or not to use them.

All the regulations concerning

this contest may be obtained in the school stores.

Essays must be submitted to the Engineering Stores by 5:00 P.M. Friday, February 11, 1955, to enable them to be judged in time so that the winning essay can be published in the Toike Oike on February 18, 1955. All essays will become the exclusive property of the Engineering Society and if the judges rule that there were no papers submitted worthy of recognition, no prizes will be given.

One hundred dollars (\$100.00) in cash prizes will be distributed in the following manner:

1st prize	\$50.00
2nd prize	25.00
3rd prize	10.00
Plus three \$5.00 prizes	

Therefore it is evident that if you have a desire to earn a lot of money your chances are certainly excellent.

It does not take very long to write 750 words (approximately 3 pages) and do a good job. It can be written, corrected and rewritten many times during the next week. Even if you are not a prize winner you will have had the experience of forming an idea, and expressing yourself. Someone must win, why not you?

IT'S A GOOD TIME TO GRADUATE

This is a good time to be entering one of the professions in Canada. There is a demand for professional men in almost every field of industry, according to a survey of Industrial Requirements for Professional Personnel produced by the Department of Labour in co-operation with the executive and Professional Division of the National Employment Service.

A total of 774 employers employing 227 of the non-agricultural paid workers in Canada were sent questionnaires asking their estimated future requirements. Seventeen thousand professional men already work for these people.

Mechanical and Electrical engineers are in the highest demand and in the arts and science field, chemists and commerce and business administration graduates are the most sought after.

The reasons are that there are too few trained men, some of the available professional men are not qualified for the jobs offered them and others—though good enough—want more pay than their would be employers think they are worth.

The report emphasizes that it deals with the demands of private industry and not government or institutional agencies.

On the whole, it is Canada's expansion that is creating the new jobs and similarly firms are expanding and requiring larger staffs, research activities are expanding and defense orders have increased.

The situation may be summed up in the brief statement of the old story that employers are competing for the available men.

A brief analysis of the outlook by courses shows:

CHEMICAL ENG.—There are between 3,000 and 4,000 chemical engineers in Canada. A steady increase in jobs can be expected as every branch of industry reported a demand for more. Companies working mines, oil wells and quarries expect to increase their professional staffs 20% in 1955 and 1956.

CIVIL ENG.—There are between 8,000 and 9,000 civil engineers working now. The demand for these men is less great than

other branches of engineers. This is explained by supply and demand. There has been no great shortage of trained civil engineers and so no backlog have been built up. Despite this reduced demand there are still jobs vacant for any civil engineers who want them.

ELECTRICAL ENG.—There are between 6,500 and 7,500 in the country. They are still in great demand and can expect an average annual increase of 8% in jobs available. Because of difficulties in predicting future requirements in the electrical apparatus industry this may be a conservative figure.

GEOLOGY AND GEO. ENG.—There are nearly 2,000 geologists and geological engineers in the country now—and their immediate future is enviable. With Canada's vast mineral resources opening up companies are desperate for trained men.

Mechanical Eng.—Between 7,000 and 8,000 mechanical engineers are employed in Canada. There is a large demand for them and graduates in the next two years have a very large selection of jobs awaiting them.

Commerce, Business Admin.—There are between 9,000 and 11,000 commerce graduates in Canada. Despite their relatively large number an average increase of 11% in jobs available will continue for the next couple of years and the future looks very promising.

So the report goes, a steady increase here, a less steady one there. But through it all, through its columns of figures comes yet another sign of Canada's prosperity.

The professional men—the "brains" of industry—are in high demand. It's a fine time to be leaving college.

Will Industry Need You?

Forecast of annual percentage increase in demand for Engineers (% of number employed Jan. 1, 1954):

	1955	1956
Civil Engineers	6	3 1/2
Geological	9 1/2	6
Mechanical	8 1/2	7
Metalurgical	5 1/2	7 1/2
Chemical	9	7 1/2
Electrical	7	7 1/2
Mining	8 1/2	7 1/2
Commerce	12	10



Shown above is a typical employment interview, with Mr. K. C. Cox, Chief Engineer, Dravo of Canada Limited (left) discussing employment possibilities with Mr. Giovanni Campitelli.

ATHLETIC TROPHIES

The "Phene Memorial Trophy", in memory of a Schoolman who died of injuries resulting from the Mulock Cup game of 1936, is an annual award to the outstanding member of the Senior Interfaculty Rugby team as selected by his teammates. The trophy is in the form of a statuette of a football player on the base of which is inscribed the name of winner and year.

The outstanding Junior rugby player receives the "Barbour Memorial Trophy". R. A. Barbour '17 was a member of the Athletic executive and an excellent football player. The trophy was first presented by the Class of 1917 for the basketball championship of the inter-residence league at Ajax. When Ajax was closed in 1949 the Class of 1917 agreed to the change in purpose of the award. The statuette is similar in form to that of the Phene Trophy.

Another trophy which found its way in from the inter-residence leagues at Ajax is the "Class of 211 Trophy" which was the symbol of hockey supremacy in Engineering. In 1951 the Class of 211 decided to give the trophy to the Third Year Schoolman judged the most outstanding in participation in sport, character and leadership, and scholastic attainment. The award is made by a committee consisting of a member of the Class of 211, a member of the Faculty, the president of the Engineering Society, the president of the Athletic Association, on the nomination between three and five names by the Athletic Association.

A pewter Stein on which are engraved the names of the award and the winner's name is in the form of the third reminder of Ajax, the "J. R. Gilley Trophy". This is presented to the outstanding freshman athlete of School. The members of the freshman year vote by ballot for this selection at the annual spring elections.

TRINITY? - continued from Page 2 phenomenal. Without your backing the University spirit would be rather pathetic. There are those that feel that University and faculty spirit is detrimental to University life. I believe that such people are greatly outnumbered at this university. I also feel certain that most engineers are intensely proud of their University and faculty and of the fact that they are Engineers.

The common bond between the members of this faculty that is provided by the colourful jackets is a basic factor of this spirit. Since the faculty is so large, few of us know personally more than a small percentage of the student engineers. Yet when we meet a man whom we can tell immediately is in our faculty and is proud of it, a sense of companionship is strengthened.

Could engineers ever conform to the standard set by Trinity College and wear a tie as their only distinguishing mark? What about a green tie? How many clothes have you that can be worn with a green tie?

Let us not lose our spirit and individuality as Engineers!

DAVID V. WILLIAMS
II Applied Geology

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"Johnson, where are those pliers? . . . Johnson?"



We recommend this for the best sports photo of the year, A.P. & U.P. notwithstanding. It shows "leaping" Gerald Wanless giving his all for Eng. Bus. IV in their minor league tilt with Meds. IV in the upper gym. This team is one of 28 which S.P.S. has competing.

Senior School Basketball

Senior S.P.S. at this writing has a record of one win and two losses. Not an impressive record to be sure but let's look at the facts. The initial game of the season with Meds was all School's until the third period when it is strongly suspected the Med's coach gave his boys a shot of adrenaline. At any rate they played phenomenally in the last third coming from far behind to win 33-30.

The next game with U.C. was a different story. With the kinks worked out of their bones our boys outplayed U.C. by a wide margin coasting to a 49-40 win. The distribution of scoring power in that game shows clearly the excellent team work of the squad. With the U.C. team appearing very ragged and ineffective with the exception of some outstanding work by Patterson, the blue

and gold fell into a pattern of neat and effective passing which added to their exceptional speed made them the masters of the play. Everyone scored well—Boington with 7 was top man, Reeves, Ford, and Shiels were close behind with 6, Floyd and Day had 5, Ojala 4, Kelly 3, and Hawkins 1.

Undoubtedly the St. Mikes squad encountered in the third game is the toughest competition Senior School will meet. Three key men Stapleton, Shiels and Floyd being absent put a terrific load on the rest of the S.P.S. squad and although scoring spurts appeared spasmodically by the second half the boys were really dragging and went down for a 39-27 count. With a week's rest and the team back to full strength look for an improved show in the next game.

ANY TAKERS?

Dear Editor,

I read in your sheet the other day where you were thinking of buying some green ties. Well I think maybe I can help you out. I just happen to have come by a substantial stock of these scarce items. Nineteen thousand, to be exact. They're not quite perfect, what I mean is, they're what you might call "seconds", that is, they're salvage from a warehouse fire. Some of them are slightly charred, as a matter of fact they all are. But if you wear them under a sweater you'll never notice that the bottom foot is burned off. They're a beautiful shade of green, though. Most of them. The odd one is burned a bit yellow. As a matter of fact there aren't too many that are all green, but who wants a plain green tie, anyhow? Those things are a glut on the market, but my ties have distinctiveness. I mean a couple of them smell a little. Hell, they all smell a little but I got around that by dipping them in chlorophyll and coating them with lanolin. Now you don't even need to worry about bad

breath, my ties take care of that. They smell so much nobody will ever notice your breath. Unfortunately the colours ran a little in the process but it's hardly noticeable under the white lanolin which takes care of any dandruff that falls on your tie. This lanolin is good stuff, kills a lot of germs. So does the chlorophyll. I'm sure these factors will more than over-balance the detail that the very odd tie here and there got torn when they were pulled out of the warehouse. You see, they were under 10 feet of water at the time and they were a little limp. But I had them sewn together real good by my cousin. She got sunstroke and had to work in a darkened room for a while and even though she sewed some of the ties together by mistake the rest are real good. Well, I'll expect to hear from you soon about this outstanding offer. You can reach me at Room 1735 at the Royal York. Hurry now, this offer is limited to those with money and I know you got lots.

Yours truly,

Nathan Lampert.

S P O R T O I K E

by Dave Shiels

By glancing at the sports pages of any one of Toronto's three daily papers, one would think that Canadians took their sport seriously. And so they do, at least on a national and professional scale. However, when our athletes enter international competition, they do not show any sign of success whatsoever. The record shows that very few Canadian athletes have ever won so much as an honourable mention for athletic prowess except in hockey and figure skating competitions.

Not one Canadian holds a single world record in any sport. It's all very well to laugh this off but the fact remains that Canada has the poorest athletic record of any country in the world! For instance, in track and field competitions, Sweden holds no less than 20 world records. Even Finland has four and Jamaica, with only a population of one and a half million, has two. Germany rates three and Australia four.

Since the founding of the Olympics in 1896, Canada has had only five winners in track and field. Our record is even worse in swimming and other sports. Of course our success has been greater in ice hockey and figure skating but even in these we are losing our advantage.

Considering that there are 22 Olympic track and field events and that the Olympics have been held 13 times since 1896, any artsman can see that our won-lost average is low.

What is the source of our trouble? Small population? No! Professionalism is the cause. By

this naughty word is not meant the underhanded subsidizing of athletes nor its application in the colleges but professionalism of clubs such as the football Argonauts (Sonshine & Co.) and the Hockey Leafs.

These teams influence our recreation much as T.V. dominates the living-room. In both we are becoming mere spectators. Better coaching, training facilities and competitions are needed and these are the first steps necessary in improving our athletic standard.

What is the most popular sport in Canada? Hockey! Canada prides herself on its hockey teams. In fact our teams have won every Olympic championship except one for the year 1936, when Great Britain took honours. The biggest blow to national pride came last year when Canada lost its first world championship to Russia. We vowed this would not happen again. This year the team was to be better financed and equipped. And yet you can read in any newspaper where this year's representatives, the Penticton V's are canvassing for \$20,000 needed to finance the final details of the trip. They will probably get it but not without trouble. Canadians have short memories.

Such Canadian track standouts as Rich Ferguson (remember the B.E. games?) and Don McEwen, who until recently coached the Varsity track team, got their training in the U.S. It's a sad state of affairs but it is due to last for a long time. We grow them and the States develops them. Oh well! we get half the credit!!

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